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1 [Spreadsheet structure inspection using low level access and visualisation](#)

Daniel Ballinger, Robert Biddle, James Noble

February 2003 AUI C '03: Proceedings of the Fourth Australasian user interface conference on User interfaces 2003 - Volume 18. Volume 18

Publisher: Australian Computer Society, Inc.

Full text available:  [pdf\(92.69 KB\)](#) [Additional information: full citation, abstract, references, cited by, index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 19, Citation Count: 1

Spreadsheets are an extremely common form of end-user programming used for many applications from student marks to accounting for global multinationals. Ways of studying the structure of a spreadsheet itself is normally constrained to the tools provided ...

Keywords: end user programming, spreadsheets, visualisation

2 [Some geometric applications using spreadsheets](#)

David S. Tucker

October 2002 Journal of Computing Sciences in Colleges. Volume 18 Issue 1

Publisher: Consortium for Computing Sciences in Colleges

Full text available:  [pdf\(56.97 KB\)](#) [Additional information: full citation, abstract, references, index terms](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 10, Citation Count: 0

Ever since their invention, spreadsheets have been used by mathematics teachers to teach many mathematical concepts. As computer software and hardware capabilities have increased, developers have added many powerful new features to the spreadsheet program, ...

3 [Impact of a restricted natural language interface on ease of learning and productivity](#)



H. Albert Napier, Richard R. Batsell, Norman S. Guadango, David M. Lane

October 1989 Communications of the ACM. Volume 32 Issue 10

Publisher: ACM

Ads b

Full text available:  pdf(2.99 MB)

Additional Information: full citation, abstract, references, cited by, index terms, review

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 31, Citation Count: 9

People process natural language in real time and with very limited short-term memories. This article describes a computational architecture for syntactic performance that also requires fixed finite resources.


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#### 4 Spreadsheet simulation: spreadsheet simulation

Andrew F. Sella

December 2003 WSC '03: Proceedings of the 35th conference on Winter simulation: driving innovation

Publisher: Winter Simulation Conference

Full text available:  pdf(123.87 KB) Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 30, Citation Count: 0

"Spreadsheet simulation" refers to the use of a spreadsheet as a platform for representing simulation models and performing the simulation experiment. This tutorial explains the reasons for using this platform for simulation, discusses why this is frequently ...

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#### 5 Spreadsheet simulation: spreadsheet simulation

Andrew F. Sella

December 2002 WSC '02: Proceedings of the 34th conference on Winter simulation: exploring new frontiers

Publisher: Winter Simulation Conference

Full text available:  pdf(122.12 KB) Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 30, Citation Count: 0

"Spreadsheet simulation" refers to the use of a spreadsheet as a platform for representing simulation models and performing the simulation experiment. This tutorial explains the reasons for using this platform for simulation, discusses why this is frequently ...

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#### 6 Distributed cognition: toward a new foundation for human-computer interaction research



James Hollan, Edwin Hutchins, David Kirsh

June 2000 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 7 Issue 2

Publisher: ACM

Full text available:  pdf(123.64 KB)

Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 73, Downloads (12 Months): 1067, Citation Count: 34

We are quickly passing through the historical moment when people work in front of a single computer, dominated by a small CRT and focused on tasks involving only local information. Networked computers are becoming ubiquitous and are playing increasingly ...

**Keywords:** cognitive science, distributed cognition, ethnography, human-computer interaction, research methodology

## 7 Spreadsheet simulation

Andrew F. Seila

December 2001 WSC '01: Proceedings of the 33rd conference on Winter simulation

Publisher: IEEE Computer Society

Full text available:  pdf(91.36 KB) **Additional Information:** full citation, abstract, references, index terms

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 29, Citation Count: 0

"Spreadsheet simulation" refers to the use of a spreadsheet as a platform for representing simulation models and performing the simulation experiment. This tutorial explains the reasons for using this platform for simulation, discusses why this is frequently ...

## 8 A methodology for testing spreadsheets




Gregg Rothermel, Margaret Burnett, Lixin Li, Christopher Dupuis, Andrei Sheretov

January 2001 ACM Transactions on Software Engineering and Methodology

(TOSEM), Volume 10 Issue 1

Publisher: ACM

Full text available:  pdf(353.65 KB) **Additional Information:** full citation, abstract, references, cited by, index terms

**Bibliometrics:** Downloads (6 Weeks): 8, Downloads (12 Months): 110, Citation Count: 22

Spreadsheet languages, which include commercial spreadsheets and various research systems, have had a substantial impact on end-user computing. Research shows, however, that spreadsheets often contain faults; thus, we would like to provide at least some ...

**Keywords:** software testing, spreadsheets

## 9 The internet spatial spreadsheet: enabling remote visualization of dynamic spatial data and ongoing query results over a network



Glenn S. Iwerks, Hanan Samet

November 2003 GIS '03: Proceedings of the 11th ACM international symposium on

Advances in geographic information systems

Publisher: ACM

Full text available:  pdf(171.25 KB) **Additional Information:** full citation, abstract, references, index terms

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 27, Citation Count: 0

Moving object databases store and process data for objects that change location frequently. Materialized views maintained over time must be updated to reflect changes due to the motion of objects in their environment. To visualize view query results, ...

**Keywords:** GIS, client server, spatial databases, visualization

## 10 A spreadsheet interface for visualization exploration

T. J. Jankun-Kelly, Kwan-Liu Ma

October 2000 VIS '00: Proceedings of the conference on Visualization '00

Publisher: IEEE Computer Society Press

Full text available:  pdf(547.98 KB) Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 61, Citation Count: 3


**Keywords:** knowledge representation, scientific visualization, spreadsheets, user interfaces, visualization systems, volume rendering

11 [Spreadsheet graphics for curve sketching in mathematics](#)

David S. Tucker

October 2002 *Journal of Computing Sciences in Colleges*, Volume 18 Issue 1

Publisher: Consortium for Computing Sciences in Colleges

Full text available:  pdf(44.74 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 41, Citation Count: 0


This paper focuses on one aspect of the recent developments in the use of technology in teaching mathematics -- the use of spreadsheet graphics to display problems visually, as well as numerically. Several applications and recent trends are discussed. ...

12 [The Xxl Spreadsheet Project](#)

Linux Journal Staff

April 1999 *Linux Journal*, Volume 1999 Issue 60es

Publisher: Specialized Systems Consultants, Inc.

Full text available:  html(22.62 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 15, Citation Count: 0

This paper is a general presentation of the Xxl project and of its latest version, describing the choices that drove the design of Xxl and its main characteristics

13 [Fast detection of communication patterns in distributed executions](#)

Thomas Kunz, Michiel F. H. Seuren

November 1997 *CASCON '97: Proceedings of the 1997 conference of the Centre for*

*Advanced Studies on Collaborative research*

Publisher: IBM Press

Full text available:  pdf(4.21 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 23, Downloads (12 Months): 865, Citation Count: 0

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event ...

14 [Spreadsheets in RDBMS for OLAP](#)




Andrew Witkowski, Srikanth Bellamkonda, Tolga Bozkaya, Gregory Dorman, Nathan

Folkert, Abhinav Gupta, Lei Shen, Sankar Subramanian

June 2003 *SIGMOD '03: Proceedings of the 2003 ACM SIGMOD international conference on Management of data*

Publisher: ACM

Full text available:  pdf(162.22 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 97, Citation Count: 17


One of the critical deficiencies of SQL is lack of support for n-dimensional array-based computations which are frequent in OLAP environments. Relational OLAP (ROLAP) applications have to emulate them using joins, recently introduced SQL Window Functions ...

# 15 Clip, connect, clone: combining application elements to build custom interfaces for information access

Jun Fujima, Aran Lunzer, Kasper Hornbæk, Yuzuru Tanaka

October 2004 UI ST '04: Proceedings of the 17th annual ACM symposium on User interface software and technology

Publisher: ACM

Full text available:  pdf(1.52 MB)

Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 89, Citation Count: 13

Many applications provide a form-like interface for requesting information: the user fills in some fields, submits the form, and the application presents corresponding results. Such a procedure becomes burdensome if (1) the user must submit many different ...

Keywords: customized information access, end-user programming, parallel exploration

# 16 ViBE: virtual biology experiments

Rajaram Subramanian, Ivan Marsic

April 2001 WWW '01: Proceedings of the 10th international conference on World Wide Web

Publisher: ACM

Full text available:  pdf(449.09 KB)

Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 45, Citation Count: 1


Keywords: distributed learning, software design, virtual laboratories

# 17 Designing dynamic web pages and persistence in the WYSIWYG interface

David Wolber, Yingfeng Su, Yih Tsung Chiang

January 2002 UI '02: Proceedings of the 7th international conference on Intelligent user interfaces

Publisher: ACM

Full text available:  pdf(132.75 KB)

Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 43, Citation Count: 2

WebSheets is a *programming in the WYSIWYG interface* tool for building dynamic web pages that access and modify databases. Without programming, designers can specify not only the presentation of a page, but the dynamic content as well. This capability ...

Keywords: HTML, PBE, QBE, dynamic web pages, spreadsheets

# 18 CCF: Collaborative Computing Frameworks

V. Sunderam, S. Y. Cheung, M. Hirsch, S. Chodrow, M. Grigni, A. Krantz, I. Rhee, P. Gray,

S. Olesen, P. Hutto, J. Sult

November 1998 Supercomputing '98: Proceedings of the 1998 ACM/IEEE conference on Supercomputing (CDROM)

Publisher: IEEE Computer Society

Full text available:  [html\(31.52 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 9, Citation Count: 1

CCF (Collaborative Computing Frameworks) is a suite of software systems, communications protocols, and tools that enable collaborative, computer-based cooperative work. CCF constructs a virtual work environment on multiple computer systems connected ...


Keywords: collaboratory, conferencing, distributed computing, virtual laboratory

## 19 [Crystal ball software tutorial: crystal ball professional introductory tutorial](#)

Lawrence I. Goldman

December 2002 WSC '02: Proceedings of the 34th conference on Winter simulation: exploring new frontiers

Publisher: Winter Simulation Conference

Full text available:  [pdf\(312.31 KB\)](#) Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 119, Citation Count: 0

Crystal Ball® 2000 Professional Edition is a suite of easy-to-use Microsoft® Excel® add-in software that helps you analyze the risks and uncertainties associated with your spreadsheet models. The suite includes analysis tools for Monte Carlo ...

## 20 [Past, present, and future of user interface software tools](#)




Brad Myers, Scott E. Hudson, Randy Pausch

March 2000 ACM Transactions on Computer-Human Interaction (TOCHI), Volume 7

Issue 1

Publisher: ACM

Full text available:  [pdf\(151.14 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 80, Downloads (12 Months): 662, Citation Count: 38

A user interface software tool helps developers design and implement the user interface. Research on past tools has had enormous impact on today's developers—virtually all applications today are built using some form of user interface tool. In ...

Keywords: event languages, interface builders, scripting languages, toolkits, user interface development environments, user interface software

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